

Abstract

A system for using available server threads to process resources and reduce the overall time of performing XA interactions in two-phase commit protocol implemented by the transaction manager. A TM processing XA interactions dispatches interaction commands for multiple resources to a thread manager, which dispatches the commands to idle server threads. In one embodiment, the TM attempts to dispatch all but one of the interaction commands to separate threads. The primary thread then processes the remaining resource command. Any commands relating to dispatch requests that were unable to be dispatched to separate threads due to unavailability are processed by the primary thread. Once the primary server has processed its interaction commands and received a signal indicating the threads receiving dispatch requests have completed their respective processing of dispatched commands, the next group of commands is processed in a similar manner.